

The following site is being submitted for inclusion into the GIS registry:

This is a:	New Submittal
BRRTS ID (no dashes):	0368098264
Comm # (no dashes):	53066999928 A+B
County:	Waukesha
Region:	Commerce
Site name:	Burtonwood/Pernat Pit (Former Quarry)
Street Address:	Section 28 State Rd 67
City:	Oconomowoc
Closure Date	2001-02-20
Closure Conditions:	met
Offsite contamination?	No
Right-of-way contamination?	No
Contaminated media:	Groundwater
GPS Coordinates (meters in the WTM91 projection)	
Easting (X):	642694.71672668
Northing (Y):	296591.427677648
Submitted by:	Cheryl Nelson

Checklist

- ☒ Final Closure Letter
- ☒ Copy of recorded deed Instrument for any property with GW >NR140 ES
- ☒ General Location Map
- ☒ Detailed Location Map showing property boundaries, buildings, etc for properties with GW >NR140 ES
- ☐ Latest Map(s) showing extent or outline of current GW plume
- ☒ GW flow direction
- ☒ MW(s) and/or potable wells
- ☒ Latest Table of GW results



February 20, 2001

COPY

Mr. James Lamp
City of Oconomowoc
174 E. Wisconsin Ave.
Oconomowoc, WI 53066

RE: COMMERCE # 53066-9999-28-A&B

Former Burtonwood Quarry, State Highway 67 Oconomowoc, WI

Petroleum impacts associated with the former 500 gallon UST and 500 gallon AST removed in January 1985.

Case Closure

Dear Mr. James Lamp:

This letter acknowledges receipt of the following items:

- monitoring well abandonment forms MW1 - MW6,
- borehole abandonment forms P1 through P4 and P8,
- investigative waste disposal documentation; and
- a copy of the registered Notice of Contamination to Property.

The above-referenced site will now be listed as "closed" on our computer database, as described in the Conditional Closure letter dated October 30, 2000.

Thank you for your efforts in the protection of the environment. If you have any questions, you can reach me at (608) 266-0562.

Sincerely,

Alan A. Hopfensperger
Hydrogeologist
PECFA Site Review Section

cc: Richard A. Kormanik, Giles Engineering Associates, Inc.
File G:\PF\PECFA\530\53066\999928a\Close-Final.doc



WC2620325-004

NOTICE OF CONTAMINATION TO PROPERTY

 REGISTER'S OFFICE
WAUKESHA COUNTY, WI
RECORDED ON

01-26-2001 11:11 AM

 MICHAEL J. HASSLINGER
REGISTER OF DEEDS

 REC. FEE: 10.00
 REC. FEE-CO: 4.00
 REC. FEE-ST: 2.00
 TRAN. FEE:
 TRAN. FEE-STATE:
 PAGES: 4

Legal Description of the Property: In re:

SEE ATTACHED

Recording Area

Name And Return Address

 Atty. G. William Chapman
 156 East Wisconsin Ave.
 Oconomowoc, WI 53066

OCOC 0542.980

Parcel Identification Number (PIN)

 STATE OF WISCONSIN)
) ss
 COUNTY OF WAUKESHA)

 Section 1. City of Oconomowoc is the owner of the above-described property.

Section 2. One or more petroleum discharges have occurred at this property. Groundwater contaminated above NR 140 enforcement standards of the Wisconsin Administrative Code exist(s) on this property in the area of monitoring well #6, illustrated in Figure 6 (Groundwater Analytical Results) of the September, 7, 2000 Supplemental Site Investigation and Request for Case Closure Report, prepared by Giles Engineering Associates Inc., which is attached hereto as Exhibit A.

Section 3. The owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to constructing or reconstructing a well on this property. No well may be constructed or reconstructed on this property unless applicable requirements are met.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the Department in order for the Department to be able to make a determination. Upon receipt of such a request, the Department shall determine whether or not the restrictions contained herein can be extinguished. Conditions under which a restriction may be extinguished will be determined in accordance with the site specific standards, rules and laws for this property. If the Department determines that the restrictions can be extinguished, an affidavit, with a copy of the Department's written determination, may be recorded to give

notice that this restriction, or portions of this restriction are no longer binding. Any restriction placed upon this property shall not be extinguished without the Department's written determination.

IN WITNESS WHEREOF, the owner of the property has executed this document, this 19th day of January 2001.

[When appropriate use the following clause]:

By signing this document, [~~he/she~~] acknowledges that [~~he/she~~] is duly authorized to sign this document on behalf of City of Oconomowoc

Signature: J. Thomas Foti

Printed Name: J. Thomas Foti

Title: Mayor

Subscribed and sworn to before me
this 19 day of January, 20 01.

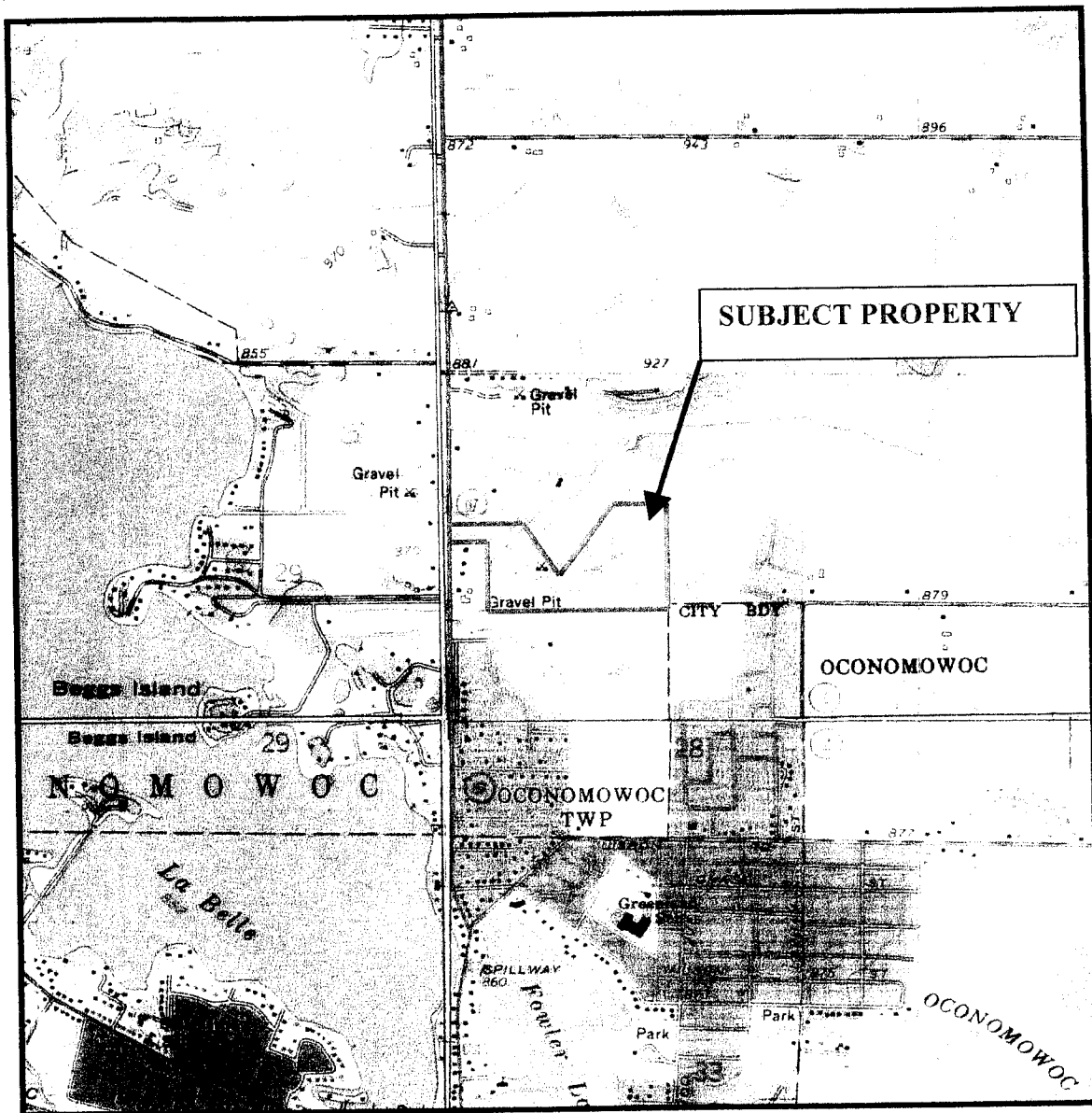
William Chapman
C. William Chapman
Notary Public, State of Wisconsin

My commission is permanent

This document was drafted by the Wisconsin Department of Commerce.

LEGAL DESCRIPTION

All that part of the Northwest 1/4 of Section 28, in Township 8 North, Range 17 East, in the City of Oconomowoc, Waukesha County, Wisconsin, bounded and described as follows: Commencing at the West 1/4 corner of Section 28; thence North 89° 38' 43" East on the South line of the Northwest 1/4 of said Section, 390.91 feet to the point of beginning (said point being in the center of Rosenow Creek); thence continuing North 89° 38' 43" East, 2,180.87 feet to the center of Section 28; thence due North on the East line of the Northwest 1/4 of Section 28, 1,523.18 feet; thence South 76° 37' 07" West, 118.31 feet (recorded as South 76° 36' 34" West, 118.57 feet) to the Northeast corner of Lot 9, in Block 7, in Burtonwood Addition No. 2, a recorded subdivision; thence South 3° 00' 00" East, 95.00 feet; thence South 14° 19' 10" West, 121.79 feet; thence South 44° 06' 02" West, 37.23 feet to the Southeast corner of Lot 9, in Block 7; thence North 86° 37' 00" West along the Southerly boundary line of Burtonwood Addition No. 2, 70.00 feet; thence South 46° 11' 13" West, 235.00 feet; thence South 44° 07' 00" West, 265.00 feet; thence South 55° 16' 30" West, 256.47 feet; thence South 45° 16' 00" West, 259.37 feet to the Southwest corner of Lot 1, in Block 7; thence North 44° 44' 00" West on the Westerly line of said lot, 260.30 feet to the Southerly line of Park View Drive; thence South 45° 10' 00" West on said line, 171.72 feet to the 1/8 line; thence North 0° 23' 27" West on said line, 8.56 feet; thence South 34° 52' 51" West, 357.23 feet; thence North 38° 57' 27" West, 569.89 feet; thence North 87° 40' 57" West, 670.83 feet to the East line of S.T.H. 67; thence South 0° 46' 57" East on said line, 100.37 feet; thence South 87° 19' 30" East, 406.89 feet along the North line of property described in Volume 128 on Page 142; thence South 3° 50' 30" West on the East line of said parcel, 660.00 feet; thence South 18° 14' 30" West, 67.59 feet to the point of beginning. Excepting therefrom Lot 10, Lot 11, Lot 12, Lot 13 and Lot 14 all in Park View Meadows also excepting Certified Survey Map No. 6695 in Volume 56 of CSM's, Page 31, as Document No. 1715311 also excepting therefrom Lots 16, 17, 18, 19, 20 and 21 all in Park View Meadows Two also excepting therefrom Lots 70 and 71 in Park View Meadows Six.



Source: USGS Stone Bank, WI (1959, photorevised 1971), Ixonia, WI (1959, photorevised 1971), Oconomowoc West, WI (1959, photorevised 1971) and the Oconomowoc East, WI (1959, photorevised 1971 and 1976) 7.5 Minute Series (topographic) Quadrangle Maps

Scale: 1 inch = 2000 feet
 Contour Interval: 10 Feet



FIGURE 1
SUBJECT PROPERTY LOCATION

Former Burtonwood Quarry
 State Highway 67
 Oconomowoc, Wisconsin
 Project No. 1E-9909003



GILES

ENGINEERING ASSOCIATES, INC.



ACCESS ROAD

ROSENOW CREEK

GROUNDWATER
FLOW DIRECTION

MW1
90.595

B1

P5

MW6
90.675

MW2
90.64

H7

MW4
90.67

B2

MW5
90.68

P6

MW3
90.7

FORMER
BUILDING
FOOTPRINT
(APPROXIMATE)

LEGEND:



MW1 MONITORING WELL
NUMBER AND LOCATION



B1 TEST BORING (AUGER) NUMBER
AND LOCATION



P1 TEST BORING (PROBE) NUMBER
AND LOCATION



BENCHMARK: H-BEAM GATE POST,
ASSUMED ELEVATION = 100.0'



GILES ENGINEERING ASSOCIATES, INC.
N6 W23556 JOHNSON RD., WAUKESHA, WI 53186
(414)-544-0118

FIGURE 5
GROUNDWATER ELEVATIONS AND FLOW DIRECTION (5-1-00)
FORMER BURNWOOD QUARRY
STATE HIGHWAY 67
ECONOMOWOC, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SAS	ALW	X	1" = 40'	BY 5/14/2000
PROJECT NO.: 1E9908003		CAD NO.: E9908003		



ACCESS ROAD

ROSDOWN CREEK

ABBREVIATIONS:

- EL: ELEVATION
- LOD: LIMIT OF DETECTION
- GRO: GASOLINE RANGE ORGANICS
- DRO: DIESEL RANGE ORGANICS
- PVOC: PETROLEUM VOLATILE ORGANIC COMPOUNDS
- PAHS: POLYNUCLEAR AROMATIC HYDROCARBONS
- Pb: LEAD
- TMBs: TRIMETHYLBENZENES
- E: ETHYLENE
- * RESULT IS BETWEEN THE LABORATORY LIMIT OF DETECTION AND THE LIMIT OF QUANTIFICATION

IND PYRENE: INDENO (1,2,3-CD) PYRENE
1-m-NAPHTHALENE: 1- METHYL-NAPHTHALENE

NOTES:

PVOC, GRO, DRO, PAHS AND Pb RESULTS EXPRESSED IN MICROGRAMS PER LITER (ug/l) EQUIVALENT TO PARTS PER BILLION (ppb)

RESULTS IN BLUE MEET OR EXCEED THE WDNR PREVENTIVE ACTION LIMIT
RESULTS IN RED MEET OR EXCEED THE WDNR ENFORCEMENT STANDARD

APR 96	JUN 96	NOV 99	MAR 00	JUN 00
EL = 90.79 PVOCs < LOD	EL = 90.84 DRO = 130 DETECTED PAHS FLUORANTHENE < 0.02	EL = 90.89 PVOCs < LOD	EL = 90.70 Pb = 1.8* PVOCs < LOD	DETECTED PAHS IND PYRENE = 0.78

NOV 99	MAR 00	JUN 00
EL = 90.64 PVOCs < LOD	EL = 90.87 Pb < 1.5 PVOCs < LOD	DETECTED PAHS IND PYRENE = 0.29*

NOV 99	MAR 00	JUN 00
EL = 90.86 PVOCs < LOD	EL = 90.68 Pb = 4.3* PVOCs < LOD	DETECTED PAHS 1- M-NAPHTHALENE = 3.8* BENZO (a) ANTHRACENE = 0.17 CHRYSENE = 1.8 FLUORANTHENE = 1.4* PYRENE = 0.96*

FORMER BUILDING
FOOTPRINT
(APPROXIMATE)

NOV 99	MAR 00	JUN 00
EL = 90.67 DETECTED PVOCs TOTAL TMBs = 12	EL = 90.88 Pb = 2.5* DETECTED PVOCs E = 0.91* TOTAL X = 1.2* TOTAL TMBs = 2.9*	DETECTED PAHS 1-NAPHTHALENE = 4.4*

APR 96	JUN 96	NOV 99	MAR 00	JUN 00
EL = 90.60 DETECTED PVOCs T = 1.8 TOTAL TMBs = 3.3	EL = 90.61 DRO = 100 DETECTED PAHS FLUORANTHENE < 0.05	EL = 90.65 PVOCs < LOD	EL = 90.60 Pb = 6 PVOCs < LOD	DETECTED PAHS PHENANTHRENE = 0.3* IND PYRENE = 1.3

APR 96	JUN 96	NOV 99	MAR 00	JUN 00
EL = 90.60 GRO = 140 DETECTED PVOCs T = 1.9 TOTAL TMBs = 0.36	EL = 90.66 DRO = 17* DETECTED PAHS FLUORANTHENE < 0.02	EL = 90.82 DETECTED PVOCs E = 1.8*	EL = 90.60 Pb < 1.5 PVOCs < LOD	DETECTED PAHS ANTHRACENE = 0.95* FLUORANTHENE = 1.9* PHENANTHRENE = 0.82*

LEGEND:



MONITORING WELL
NUMBER AND LOCATION



BENCHMARK: H-BEAM GATE POST,
ASSUMED ELEVATION = 100.0'



GILES ENGINEERING ASSOCIATES, INC.
N8 W22350 JOHNSON RD.; WAUKESHA, WI, 53186
(414)-544-0118

FIGURE 6
GROUNDWATER ANALYTICAL RESULTS
FORMER BURTONWOOD QUARRY
STATE HIGHWAY 67
OCONOMOWOC, WISCONSIN

DESIGNED	DRAWN	APPROVED	SCALE	DATE
SAS	ALW	X	1" = 40'	7/6/2000
PROJECT NO.: 1E9909003		CAD NO.: E9090037B		

TABLE 3

RESULTS OF GRO, DRO, PVOC AND LEAD GROUNDWATER ANALYSES

Former Burtonwood Quarry
State Highway 67
Oconomowoc, Wisconsin
Project 1E-9909003

TOTAL PVOCs

PVOCs

GRO DRO LEAD

MW No.	Sampling Date	GRO (ug/L)	DRO (ug/L)	Lead (ug/L)	PVOCs (ug/L)					total TMBs	total PVOCs (ug/L)
					benzene	ethylbenzene	total xylenes	MTBE	toluene		
MW1	04-13-96	140	NA	NA	<1.4	<1.7	<4.6	<0.46	1.9	0.96	2.86
	06-06-96	NA	17*	NA	NA	NA	NA	NA	NA	NA	NA
	11-30-99	NA	NA	NA	<0.42	1.8*	<1.4	<0.35	<0.68	<0.68	1.8
	03-01-00	NA	NA	<1.5	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
MW2	04-13-96	NA	NA	NA	<1.4	<1.7	<4.6	<0.46	1.8	3.3	5.1
	06-06-96	NA	100	NA	NA	NA	NA	NA	NA	NA	NA
	11-30-99	NA	NA	NA	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
	03-01-00	NA	NA	6	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
MW3	04-13-96	NA	NA	NA	<1.4	<1.7	<4.6	<0.46	<1.4	<2.1	ND
	06-06-96	NA	130	NA	NA	NA	NA	NA	NA	NA	NA
	11-30-99	NA	NA	NA	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
	03-01-00	NA	NA	1.8*	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
MW4	11-30-99	NA	NA	NA	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
	03-01-00	NA	NA	<1.5	<0.42	<0.66	<1.4	<0.35	<0.68	<0.68	ND
	11-30-99	NA	NA	NA	<2.1	<3.3	<7.0	<1.8	<3.4	12	12
	03-01-00	NA	NA	2.5*	<0.42	0.91*	1.2*	<0.35	<0.68	2.9*	5.01
MW6	11-30-99	NA	NA	NA	<4.2	<6.6	<14	<3.5	<6.8	<6.8	ND
	03-01-00	NA	NA	4.3*	<2.1	<3.3	<7.0	<1.8	<3.4	<3.4	ND
	WDNR PAL	NS	NS	1.5	0.5	140	124	12	68.6	96	
	WDNR ES	NS	NS	15	5	700	620	60	343	480	

Notes:

MW monitoring well
PVOC petroleum volatile organic compound
GRO gasoline range organics
DRO diesel range organics
PAH polynuclear aromatic hydrocarbon
TMB trimethylbenzene
MTBE methyl-tertiary-butyl-ether
NS no established standard
ug/L micrograms per liter
* result is between the limit of detection and the limit of quantitation
results expressed in red meet or exceed the WDNR Enforcement Standard (ES)
results expressed in blue meet or exceed the WDNR Preventive Action Limit (PAL)
WDNR Wisconsin Department of Natural Resources
PAL preventive action limit
ES enforcement standard
NA not analyzed/not applicable
ND not detected